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**Physical Science Energy and Energy Resources (Ch.5) Outline**

*Vocabulary*: Define in your own words

Sound energy-

Thermal energy-

Electric energy-

Radiant energy-

Nuclear energy-

Law of conservation of energy-

Nonrenewable energy resource-

Renewable energy resource-

Fossil fuel-

Inexhaustible energy resource-

**Respond to the following questions/prompts:**

What is energy? Explain what energy is and provide a *specific* example of energy. (2 pts)

How is energy related to work? Explain. (2 pts)

How does friction affect energy transformations? Does is usually add or subtract energy from a system? Explain. (2 pts)

What are a few different ways that energy is used in everyday life? Describe and give an example of four major ways that energy is used constructively in society. (4 pts)

What is waste energy? Give an example of waste energy that occurs regularly in everyday life. (2 pts)

After what you've learned in this lesson, explain why it is important to conserve energy in a complete sentence. (2 pts)

***ABOUT THE READING:***

Write three things that you learned about Energy and Energy Resources*:*

***Make sure to write a full sentence.***

*Example: I learned that sound is a form of energy; waves of energy are carried through the air that have the ability to cause change on living and non-living things.*

*1.*

*2.*

*3.*

**ASSIGNED WORK:**

In a short paragraph, explain how fossil fuels are formed and describe how the three major fossil fuels are used for energy. The three major fossil fuels are petroleum, coal, and natural gas. Worth 8 pts total. (2 pts for how fossil fuels are formed and 2 pts for each explanation on petroleum, coal, and natural gas).